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APPLICATION N	0.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/083,481	10/083,481 02/27/2002		Yuko Iwabuchi	29273/559	5826	
23838	7590	10/08/2004		EXAM	EXAMINER	
KENYON & KENYON 1500 K STREET, N.W., SUITE 700 WASHINGTON, DC 20005				BERMAN	BERMAN, JACK I	
				ART UNIT	PAPER NUMBER	
	·			2881		
				DATE MAILED: 10/08/200	DATE MAILED: 10/08/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

		All.
	Application No.	Applicant(s)
Office Action Comment	10/083,481	IWABUCHI ET AL.
Office Action Summary	Examiner	Art Unit
The MAN INC DATE And	Jack I. Berman	2881
The MAILING DATE of this communication appeariod for Reply	pears on the cover sheet with th	e correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.  after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a rep If NO period for reply is specified above, the maximum statutory period  - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be by within the statutory minimum of thirty (30) will apply and will expire SIX (6) MONTHS fr e, cause the application to become ABANDC	e timely filed  days will be considered timely.  om the mailing date of this communication.  DNED (35 U.S.C. § 133).
Status		
<ul> <li>1) ☐ Responsive to communication(s) filed on 09 A</li> <li>2a) ☐ This action is FINAL.</li> <li>2b) ☐ This</li> <li>3) ☐ Since this application is in condition for allowance closed in accordance with the practice under B</li> </ul>	s action is non-final. ince except for formal matters,	
Disposition of Claims		
4) ☐ Claim(s) 1,4-13 and 16 is/are pending in the a 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1,4-13 and 16 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o Application Papers 9) ☐ The specification is objected to by the Examine 10) ☐ The drawing(s) filed on 27 February 2002 is/ar	own from consideration.  or election requirement.	cted to by the Examiner.
Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	etion is required if the drawing(s) is	objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	ts have been received. ts have been received in Applic prity documents have been rece u (PCT Rule 17.2(a)).	ation No. <u>09/131,383</u> . ived in this National Stage
Attachment(s)  Notice of References Cited (PTO-892)  Notice of Draftsperson's Patent Drawing Review (PTO-948)	4)	
Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 4/5/04, 4/19/04.		al Patent Application (PTO-152)

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Art Unit: 2881

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1, 4-13, and 16 are rejected under the judicially created doctrine of obviousnesstype double patenting as being unpatentable over claims 3-8, 15, 10-13, and 16 respectively of U.S. Patent No. 6,452,178 in view of Feuerbaum et al. The only difference between the claims already patented and the claims of the instant application is the new limitation of a step of "determining a beam current of the electron beam to be at least 100nA based on a signal to noise ratio of an image of the defect and an inspection time" added to independent method claim 1 and the new limitation of "the beam current of the electron beam being determined to be at least 100nA of beam current determined based on a signal to noise ratio of an image of the defect and an inspection time" added to independent apparatus claim 9. As was pointed out in the previous Office action, Feuerbaum et al. teaches, at lines 67 in column 1 through 36 in column 2 and lines 32 in column 3 through 52 in column 4, that one of the objectives of the patented invention is to allow the use of higher beam currents in scanning particle microscopes than is possible in the prior art without a reduction in resolution. Feuerbaum does not define "higher beam current" so it is not clear if Feuerbaum actually anticipates a beam current of 100 nA, but the patent at the very least makes such a beam current obvious in an electron beam inspection method and device. Art Unit: 2881

It would therefore have been obvious to a person having ordinary skill in the art to use a high beam current in the inspection method and apparatus claimed in the '178 patent in order to achieve the high resolution (i.e. high signal to noise ratio) described by Feuerbaum et al. The actual value of the electron beam current used would have been a matter of routine experimentation.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jack I. Berman whose telephone number is (571) 272-2468. The examiner can normally be reached on M-F (8:30-6:00) with every second Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John R. Lee can be reached on (571) 272-2477. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jack I. Berman
Primary Examiner
Art Unit 2881

jb 10/5/04